

CLAIMS

What is claimed is:

1. A locking arrangement for a hardtop vehicle roof movable between a closed and an open position and comprising at least a front and a rear roof part arranged, in the longitudinal vehicle direction, one behind the other, said locking arrangement including a first locking structure with a first support plate mounted on said front roof part at the front end thereof, two locking hooks supported on said first support plate so as to be pivotable between a locking position and a release position, each locking hook engaging, in said locking position, a locking pin mounted on a windshield frame of said vehicle, a second locking structure mounted on said front roof part at the rear end thereof adjacent said rear roof part, and an operating mechanism for operating said locking structures, said locking hooks of said first locking structure being arranged on said support plate in a mirror-reversed arrangement with respect to a longitudinal center plane of the vehicle, said operating mechanism including an operating member extending between said first and second locking structures for the concurrent operation of said locking structures, and a common drive for actuating said operating member for the concurrent operation of said locking structures for interlocking said adjacent roof parts together with the locking of the front roof part to the windshield frame.

2. A locking arrangement according to claim 1, wherein said second locking structure includes two additional locking hooks supported on a second support plate so as to be pivotable between a locking position and a release position, each additional locking hook engaging, in said locking position a locking pin mounted on said rear roof part of said vehicle.

3. A locking arrangement according to claim 2, wherein said locking hooks are supported on said support plates so as to be pivotable about a pivot axis and each locking hook includes a bore arranged in spaced relationship from said pivot axis, and an operating pin is received in each bore, each of said operating pins being operatively connected to said operating member for concurrently actuating said locking hooks.

4. A locking arrangement according to claim 2, wherein each of said hooks has inner curved guide surfaces which include locking recesses for receiving said locking pins in the locking position of said locking hooks.

5. A locking arrangement according to claim 3, wherein said inner guide surfaces of said locking hooks are arranged so as to face each other for the engagement of said locking pins.

6. A locking arrangement according to claim 4, wherein also said locking pins are supported on support plates mounted to said windshield frame and said rear roof part, respectively.